

Preliminary Amendment
Applicant: Mermelstein
Serial No.: 09/274,601
Page 5 of 5

electromagnetic beam produced by said source as a function of time in response to control signals from said system controller.

21. The [synthetic aperture] system of claim 19 further comprising at least one beam director positioned to receive a respective one of said plurality of coherent output beams and direct said respective coherent output beam into said region of overlap.

Please add the following new claim.

22. (New) The system of claim 8 wherein said receiver comprises a photosensitive volume.

REMARKS

Claims 1-20 remain in prosecution. Claims 1-4, 7, 9, 11-13, and 19-21 are herein amended. New claim 20 is herein added to further claim Applicant's invention. Applicant submits that all of the claim amendments and the new claim are supported by the originally-filed application.

Applicant believes that the subject application is in condition for allowance and respectfully requests early favorable action by the Examiner.

Respectfully submitted,



William G. Guerin
Attorney for Applicant
Testa, Hurwitz, & Thibault, LLP
High Street Tower
125 High Street
Boston, Massachusetts 02110

Date: June 21, 2000
Reg. No. 41,047

Tel. No.: (617) 248-7074
Fax No.: (617) 248-7100

1021114-1